

## CLAIMS

1. A method of permanently compressing lumber comprising the steps of: compressing the lumber; and heating the compressed lumber, characterized in,

that the lumber is air-dried lumber, whose percentage of water content is 12 % or less, the air-dried lumber is accommodated in a compressing die and contacts an inner face of the compressing die, the air-dried lumber is compressed in the compressing die with compressibility of 50 % or more, and

that the compressed lumber is air-tightly accommodated in the compressing die and heated so as to permanently compress the lumber.

2. The method according to claim 1, wherein the percentage of water content of the air-dried lumber is 5 % or more.

3. The method according to claim 1, wherein the compressibility is adjusted so as to make specific gravity of the compressed lumber 0.8 or more.

4. The method according to claim 1, wherein the compressing die, in which the compressed lumber is air-tightly accommodated, is dry-heated.

5. A method of permanently compressing lumber comprising the steps of: compressing the lumber; and heating the compressed lumber, characterized in,

that the lumber is porous lumber, whose fine holes are formed by

09069683 092401  
104260 2896980

pine bark and wood borers, etc., the porous lumber is accommodated in a compressing die and compressed, and

that the compressed lumber is heated so as to permanently compress the lumber.

6. The method according to claim 5,

wherein compressibility of the compressed lumber is adjusted so as to make flexural rigidity of the compressed lumber 130 MPa or more.

7. The method according to claim 5,

wherein the lumber is compressed while the lumber is heated in the compressing die.

8. The method according to claim 5,

wherein the compressed lumber is dry-heated, and a non-contact face of the lumber, which is not contact an inner face of the compressing die, is exposed in the air.

9. The method according to claim 5,

wherein functional additive is filled in the fine holes of the porous lumber.

10. A permanently compressed lumber, which is formed by compressing and heating porous lumber whose fine holes are formed by pine bark and wood borers, etc., having flexural rigidity of 130 MPa or more.

11. The permanently compressed lumber according to claim 10,

wherein functional additive is filled in the fine holes of the porous lumber.